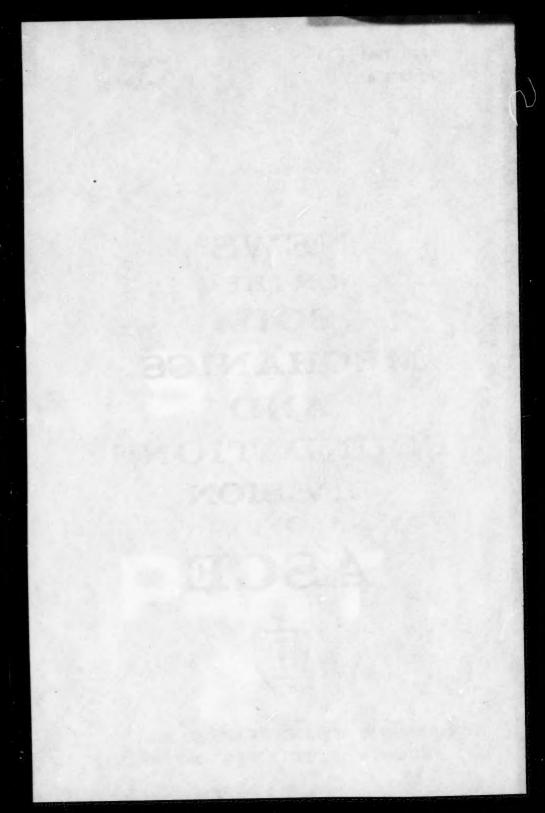
APRIL 1961 - 13 VOLUME 87

NO. SM 2 PART 2

Your attention is invited **NEWS** OF THE SOIL **MECHANICS** AND **FOUNDATIONS** DIVISION OF ASCE



JOURNAL OF THE SOIL MECHANICS AND FOUNDATIONS DIVISION PROCEEDINGS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS



DIVISION ACTIVITIES SOIL MECHANICS AND FOUNDATIONS DIVISION

Proceedings of the American Society of Civil Engineers

NEWS

April, 1961

NORTHWESTERN SECTION ANNUAL CONFERENCE

The Ninth Annual Conference on Soil Mechanics and Foundation Engineering sponsored by the Northwestern Section of the A.S.C.E. was held on March 30 at the Center for Continuation Study, University of Minnesota, Minneapolis.

The Conference featured seven papers on the general theme of the application of soil mechanics to the solution of construction problems. Six of the papers were presented by engineers from various areas in Minnesota, and a paper entitled "Landslide Causes and Corrections" was presented by Stanley D. Wilson of Seattle.

* Persons wishing printed copies of the program can obtain them from the Center for Continuation Study, University of Minnesota, Minneapolis 14.

GRANT TO COLORADO SCHOOL OF MINES

Golden, Colorado—An unrestricted grant of \$1000 has been given to the Colorado School of Mines by the Creole Foundation, it was announced today by Dr. John W. Vanderwilt, Mines president.

The grant was in recognition of the gap between tuition fees and actual costs of instruction.

The Creole Foundation was established in Venezuela by the Creole Petroleum Corporation to support educational, scientific and cultural activities in that country. The Foundation congratulated Mines for its contribution toward the improvement of international understanding.

The collateral grant was awarded to Mines to help pay the instructional costs of two scholarship students from Venezuela. The students are Jose Rodriguez, petroleum refining engineering junior, and Jesus R. Rodriguez, mining engineering freshman.

THIRD ALFRED A. RAYMOND AWARD

The Sponsor of the Alfred A. Raymond Award, Raymond International, Incorporated of New York, N. Y., is pleased to announce that the Award on one

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thousand dollars for 1960 has been conferred upon Earle J. Klohn, Professional Engineer of Vancouver, B. C., Canada.

The panel of judges, composed of Dr. Ralph B. Peck, Professor of Foundation Engineering at the University of Illinois, Urbana, Illinois; William W. Moore, Partner of Dames and Moore, Consulting Engineers, San Francisco, California and Frank A. Marston, Senior Partner of Metcalf & Eddy, Boston, Massachusetts, after reviewing approximately thirty papers on various subjects dealing with the foundations of structures, selected Mr. Klohn's paper for the Award. The subject of his paper is "Pile Heave and Redriving." Mr. Klohn received a M.Sc. Degree in Soil Mechanics from the University of Alberta.

A "Special Award" in the amount of five hundred dollars was made by the judges of the 1960 contest to Charles E. Hall for his paper entitled "Compacting a Dam Foundation by Blasting." Mr. Hall is associated with the International Engineering Company, Incorporated of San Francisco, California. He received a B.S. Degree in Civil Engineering from the University of Missouri.

The Awards were presented to the winners at a luncheon ceremony in San Francisco on January 25, 1961.

NEWS FROM THE ILLINOIS SECTION

About 125 persons heard Dr. Ralph B. Peck analyse the Art and Science of Foundation Engineering at the Soil Mechanics and Foundations Division of the Illinois Section, ASCE's November meeting. The talk was punctuated by numerous examples from Dr. Peck's vast experience in the field. Following his speech, Dr. Peck answered several questions of interest to all.

A panel discussion of "Foundation Engineering—A Professional Service" was featured at the group's December meeting. Panel members were Mr. John Gnaedinger, Chairman, and Messrs. James Thompson, Herbert Dix, Milton Pikarsky and Dr. Eben Vey. They discussed all aspects of soil and foundation engineering practice, including the professional work and the methods of practice in current use.

After discussion by the panel, the meeting was opened to the audience for questions and comments.

RESEARCH ON SOIL PROPERTIES

The Division's Committee on Properties of Soils and Soil Deposits has undertaken as one of its initial tasks an investigation to determine the nature and extent of research on soil properties which is being conducted in the U.S. The Committee would like very much to learn from the membership of any current or proposed research by non-university groups on soil properties. This information will be used by the Committee in its attempt to formulate a program of activity. It also hopes to uncover some projects worthy of papers which could be put on the programs at future A.S.C.E. meetings. The Chairman of this Committee, T. William Lambe, Room No. 1-342, Massachusetts Institute of Technology, would like very much to have division members inform him of any research on soil properties other than that conducted in the universities.

COMPUTER APPLICATIONS IN SOIL MECHANICS

An ever increasing amount of work is being done in applying Electronic Computers to Soil Mechanics Problems. In view of this fact, it is felt that the time is right to organize a group of all those members interested in this field. The group would roughly parallel in aims, activities, and organization, a similar group in the Structures Division. Anyone reading the schedule of recent conventions can attest to the vigor and success of this organization. John A. Horn, A.M. ASCE, has volunteered to act as Secretary of this yet unorganized organization. All those interested should contact Mr. Horn with their ideas, etc. The address is 814 Fourth Street, Coronado, California.

CHARTER FLIGHT CANCELED

The proposed charter flight to the Fifth International Conference on Soil Mechanics and Foundation Engineering has been canceled. The following letter of explanation has been received from Mr. John Lowe, Secretary of the U. S. National Committee:

"I regret to have to inform you that the Soil Mechanics and Foundations Division will not be able to sponsor a charter flight to the Fifth International Conference on Soil Mechanics and Foundations Engineering or the Sixth Congress on Large Dams. The following summary of the efforts made by the Executive Committee in attempting to arrange a flight may be of interest:

According to replies to the questionnaire, the probable total number of people who would use each of the four flights is as follows:

Flight No. 1	June 24-July 10	9
Flight No. 2	June 24-July 16	29
Flight No. 3	July 8-Aug. 1	89
Flight No. 4	June 24-Aug. 1	64

The tabulation is made on the assumption that only one flight would be selected, and therefore a summation has been made of persons indicating the flight as second choice.

From this it can be seen that Flight No. 3, which was for the Soils Conference alone, was the most popular; and Flight No. 4, which permitted attendance at both the Large Dams and Soils Conferences, was the next most popular. In order to satisfy the maximum number of people, a compromise flight between these two was selected by the Executive Committee of the Division. This flight would leave on about June 24th and return about July 24th.

All major transoceanic air lines were contacted regarding their ability to supply transportation for a charter flight June 24-July 24. None were able to supply transportation eastbound. Most stated that all their aircraft, both piston and jet, were fully occupied with scheduled flights eastbound from June 15 to July 15. However, aircraft were available for a return flight and a standard contract proposal was obtained from Pan American for such a flight.

Since the scheduled carriers could not furnish round trip transportation, non-scheduled airlines were contacted and a contract offer

received from Air Charter Exchange for \$27,196.00 for a round trip flight for a 99 passenger Constellation (normal tourist configuration would accommodate about 85 persons).

Both contracts together with general information regarding collection of monies and liability were submitted to Mr. Wisely, Secretary of A.S.C.E., who in turn presented the matter at the January 27 meeting of the Executive Committee of the Board of Directors of A.S.C.E. This committee voted negative on the proposition. The primary reason for rejection apparently was the fear that liability suits might be brought against the Society even though the Society had no legal responsibility in case of accident liability and passengers on the flight would sign a waiver of liability. Mr. Wisely stated that further investigation would be made by his staff of means by which the Society could sponsor charter flights for members of a division. However, it was too late to work out an arrangement for a charter flight to the Soils Conference."

FIFTH INTERNATIONAL CONFERENCE ON SOIL MECHANICS AND FOUNDATION ENGINEERING

Meetings for the Fifth International Conference will be held in Paris from 17 to 22 July 1961. One week of tours to projects in South France will proceed the meetings and another week of tours will follow the Conference.

Bulletin No. 2 giving details of the meetings, tours, hotels and registration is expected to be sent out by the French Organizing Committee about 1 March 1961 (not December 1960 as stated in Bulletin No. 1 for the Conference) to those persons who returned the preliminary registration blanks enclosed with Bulletin No. 1. Additional copies of Bulletin No. 2 may be obtained from John Lowe, III, Secretary, U. S. National Committee for Intl. Soc. Soil Mech. & Found. Engr., 375 Park Avenue, Room 900, New York 22, New York.

SEVENTH INTERNATIONAL CONGRESS ON LARGE DAMS

Meetings for the Seventh Congress will be held in Rome, 26 June to 1 July. One week of tours to projects in Italy will follow the meeting.

Bulletin No. 2 giving details of the meetings, tours and registration can be obtained from Mr. Joseph Wischeidt, Jr., Secretary, U. S. Committee on Large Dams, c/o Engineers Joint Council, 29 W. 39th Street, New York, New York. The questions constituting the technical program of the Rome meeting are Nos. 24, 25, 26 and 27.

JUNE NEWSLETTER

Deadline date for arrival at this office of contributions for the June Newsletter: April 21, please.

Bernard B. Gordon, Assistant Editor Division of Design and Construction Department of Water Resources Sacramento, California Wilbur M. Haas, Assistant Editor Michigan College of Mining and Technology Houghton, Michigan

J. H. Schmertmann, Assistant Editor College of Engineering University of Florida Gainesville, Florida

Alfred C. Ackenheil, Editor University of Pittsburgh Civil Engineering Department Pittsburgh 13. Pennsylvania

CUMULATIVE INDEX TO ASCE PUBLICATIONS

A three-part index to Proceedings, Transactions, and CIVIL ENGINEER-ING is now available. This 816-page, 6 in. by 9 in., blue cloth bound book contains a subject and name index for CIVIL ENGINEERING that covers the magazine since its inception in 1930 through 1959. For Proceedings, the coverage is from 1950 through 1959, a period in which most papers were not included in Transactions. The 1935 through 1959 Transactions are indexed to provide a valuable source of reference to "modern" technical civil engineering literature.

The list price for this volume is \$20.00. Members of ASCE and public and school libraries are entitled to a 50% discount and will, therefore, pay \$10.00 per volume.

Order your copy of this INDEX by use of the coupon herewith.

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BIBLIOGRAPHY ON AIRPORT ENGINEERING

This comprehensive "Bibliography on Airport Engineering" chronicles and catalogs the engineering knowledge and experience that has appeared in papers, articles, and reports in the publications of the free world from 1938 to 1959. The Bibliography has grown out of the file maintained by the author, Shu-t'ien Li, F. ASCE, and has been augmented and verified in technical libraries in the United States.

ASCE publication, 1960-41, is divided into 26 chapters and has a total of 2,335 entries. The subjects covered are, in part, location and planning, design and maintenance, earthwork, drainage, pavements (both rigid and flexible), lighting, hangars, heliports, and unit costs. Of special importance at this time is a chapter (with 169 entries) dealing with launching bases, space stations, and allied subjects.

The list price for this 184-page hard-bound book is \$8.00; ASCE members and libraries receive a 50% discount. The coupon herewith should be used to order this book.

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